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PTO/SB/01 (12-97)
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	Att mey Docket Nu	mber MBX 025 DIV				
DECLARATION FOR UTILITY OR DESIGN	First Nam d Inv nt	Gjalt W. Huisman				
PATENT APPLICATION	COMPLETE IF KNOWN					
(37 CFR 1.63)	Application Number	09 / 456,940				
	Filing Date	December 7, 1999				
☐ Declaration ☐ Declaration Submitted OR Submitted after Initial	Group Art Unit	1643				
with Initial Filing (surcharge Filing (37 CFR 1.16 (e)) required)	Examiner Name	~ 5				

As a below named inven	tor, I hereby declare that:						
My residence, post office address, and citizenship are as stated below next to my name.							
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:							
	TRAINS AND PR						
1 '			1016				
MANUFACTURE OF BIOMATERIALS **							
the specification of which (Title of the Invention)							
is attached hereto							
	D/YYYY) 12/07/1999		as United	States Applicat	ion Number or P	CT International	
Application Number 09/4	56 040 and us	as amended on (_∞ [(if applicable).	
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I hereby state that I have re amended by any amendme	viewed and understand the nt specifically referred to abo	contents of the allove.	pove Identi	neo specification	i, including the c	idillis, as	
I acknowledge the duty to d	lisclose information which is	material to paten	tability as o	defined in 37 CF	R 1.56.		
I hereby claim foreign priori certificate, or 365(a) of any America, listed below and ha or of any PCT international a	PCT international applications by also identified below by	in which designa checking the box	ted at leas anv foreid	st one country on application fo	other than the C r patent or inven	inited States of	
Prior Foreign Application		Foreign Filin	g Date	Priority	Certified Co	py Attached?	
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Additional foreign applic	ation numbers are listed on a	supplemental pr	iority data	sheet PTO/SR/0	2B attached her	reto:	
	under 35 U.S.C. 119(e) of an						
Application Number		e (MM/DD/YY)					
60/079,938	03/30/1998			numbe supple	onal provisiona ers are listed o emental priority 6B/02B attach	n a / data sheet	
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[Page 1 of 2]
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	Gjal	t W.		· k					Huisı	man			
Inventor's Signature					7							Date	3 3 00
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■ Additional	invento	rs are being n	amed	on the	l sı	upplemen	tal Additio	onai Ir	nventor(s)	sheet(s)	PTO/	SB/02A attac	hed hereto

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Name of Addition	nal Joint Inventor, if an	y:			A petiti	on has been fil	ed for thi	is unsig	ned in	ventor
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L	aura Z.				**	Luo				
Inventor's Signature	ars lu	ن ن		-				Date	,	t/12/200
Residence: City	Laport	State	TX		Country	US		Citizens	hip	CN
Post Office Address	3331 Luella, Apt	. #410	2							
Post Office Address										
City	Laport	State	TX		ZIP	77571	Country	US		
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor						entor/				
Given Name (first and middle [if any])					Family Name or Surname					
Oliver P.				Peoples						
Inventor's Signature					Date					
Residence: City	Arlington	State	MA		Country	US		Citize	nship	GB
Post Office Address	27 Radcliffe Roa	d			·					
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Name of Addition	nal Joint Inventor, if an	y:			A petition	on has been file	ed for this	s unsig	ned inv	rentor
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ADDITIONAL INVENTOR(S)

DECLARATION				Supplem ntal Sh et Page <u>1</u> of <u>1</u>						
Name of Addition	nal Joint Inventor, if any				l A notitie	on hon hon file	ad 6a- 4	-11-		
				لا	A peud	on has been file				ventor
	me (first and middle [if any])	-			Family Na	me or	Sumame)	
L	aura Z.					Luo				
Inventor's Signature		_						Date		
Residence: City	Laport	State	TX		Country	US		Citizens	hip	CN
Post Office Address	3331 Luella, Apt.	#410	2							
Post Office Address										
City	Laport	State	TX		ZIP	77571	Countr	US		
Name of Addition	nal Joint Inventor, if any	/:			A petition	on has been file	ed for th	nis unsig	ned in	ventor
Given Name (first and middle [if any])				Family Name or Surname						
Oliver P.			Peoples							
Inventor's Signature	Oluk	Pr	1	Date 2/13/					2/28/00	
Residence: City	Arlington	State	MA		Country	US		Citize	nship	GB
Post Office Address	27 Radcliffe Road	1								
Post Office Address										
City	Arlington	State	MA	\	ZIP	02474	Соиг	ıtry [JS	
Name of Addition	nal Joint Inventor, if any	<i>'</i> :			A petitio	on has been file	ed for th	nis unsig	ned im	ventor
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Inventor's Signature								Da	te	
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JUL-10-2001 12:24

METABOLIX, INC.

617 492 1996 P.02/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz, Tillman U. Gerngross and

Oliver P. Peoples

Serial No:

09/456,940

Art Unit:

1652

Filed:

December 7, 1999

Examiner:

R. Hutson

For:

"MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF

BIOMATERIALS"

Assistant Commissioner for Patents

Washington, D. C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND REVOCATION OF PRIOR POWERS

Sir:

As owner of the entire interest of the above-identified patent application, all powers of attorney previously given are hereby revoked and the following attorneys and agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Patrea L. Pabst Rivka Monheit Registration No. 31,284 Registration No. P-48,731

Zhaoyang Li

Registration No. 46,872

Please send all correspondence relating to the above-identified patent application to:

Pairea L. Pabst

HOLLAND & KNIGHT LLP

One Atlantic Center

1201 West Peachtree Street

Suite 2000

Atlanta, Georgia 30309-3400

(404) 817-8473 - Telephone

(404) 541-4489 - Telefax

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MBX 025 DIV

U.S.S.N. 09/456,940
Filed: December 7, 1999
Power of Attorney by Assignee of
Interest and Revocation of Prior Powers

The undersigned signatory (whose title is supplied below) is empowered to act on behalf of the assignee identified below, and has reviewed all the documents in the chain of title of the patent application and, to the best of undersigned's knowledge and belief, title is in the assignee.

Metabolix, Inc.

Bv:

Name:

R. P. PEUPLA

Title:

VPR&D

Date: July 10, 200

ATL1 #470657 v1.

4.7055701

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PTO/SB/96 (6-88)
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STATEMENT UNDER 37 CFR 3,73(b)
Gjelt W. Huisman, Laura A. Luo, Danlel M. Horowitz, Tilman U. Gerngross and Applicant/Patent Owner. Oliver P. Peoples
Application No./Patent No.: 09/456,940 Filed/Issue Date: December 7, 1999
Entitled: MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF BIOMATERIAL
Metabolix, Inc. , a Corporation ,
(Name of Assignee) (Type of Assignee, e.g., corporation, permership, university, government agency, stc.)
states that it is:
1. X the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest
In the patent application/patent identified above by virtue of either.
A. (x) An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel <u>010473</u> , Frame <u>0082</u> , or for which a copy thereof is attached.
OR '
B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
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2. From:
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[] Copies of essignments or other documents in the chain of title are ettached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.
7/10/01 CL // // Signature ULIVER P. PEOPLES Typed or printed name
Date Signature
ULIVER 1. I'R OFLES
i ypea or printed name
VPM & D Title

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MARCH 27, 2000

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NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HUISMAN, GJALT W.

DOC DATE: 04/19/1999

ASSIGNOR:

LUO, LAURA Z.

DOC DATE: 05/12/1999

ASSIGNOR:

HOROWITZ, DANIEL M.

DOC DATE: 06/16/1999

ASSIGNOR:

GERNGROSS, TILLMAN U.

DOC DATE: 07/19/1999

ASSIGNOR:

PEOPLES, OLIVER P.

DOC DATE: 06/16/1999

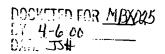
ASSIGNEE:

METABOLIX, INC. 303 THIRD STREET CAMBRIDGE, MASSACHUSETTS 02142

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PATENT DEPT.



010473/0082 PAGE 2

SERIAL NUMBER: 09456940

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TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date Month Day Year
Name (line 1) Huisman, Gjalt W.	04191999
Name (line 2)	Execution Date
Second Party Name (line 1) Luo, Laura Z.	Month Day Year 05121999
Name (line 2)	
Receiving Party	Mark if additional names of receiving parties attached
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Address (line 1) 303 Third Street	of a domestic representative is attached. (Designation must be a
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Correspondent Name and Address	Area Code and Telephone Number	(404) 873-8794
Name Patrea L. Pabst, Esq.		
Address (line 1) Arnall Golden & Gregory	y, LLP	
Address (line 2) 2800 One Atlantic Cente	r	
Address (line 3) 1201 West Peachtree Str	eet	
Address (line 4) Atlanta, GA 30309-3450		
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Application Number(s) or Patent Num	nber(s) Mark if add	litional numbers attached
Enter either the Patent Application Number or the P	Patent Number (DO NOT ENTER BOTH numbers for	the same property).
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Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	PCT PCT	PCT
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(Enter for payment by deposit account or if addi		01-2507
յ	eposit Account Number: #[[11-4301

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Authorization to charge additional fees:

Kevin W. King

Name of Person Signing

Reg. No.: 42,737

Nec. 7,1999

Date

Yes

No

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

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Name (line 1)	Horowitz, Daniel M.		06161999
Name (line 2)			
<u> </u>			Execution Date
Name (line 1)	Gerngross, Tillman U.		Month Day Year
Name (line 1)	Gerngross, Tillinan U.		07191999
Name (line 2)			Promotine Date
			Execution Date Month Day Year
Name (line 1)	Peoples, Oliver P.		06161999
Name (line 2)			
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ASSIGNMENT

We, Gjalt W. Huisman of 3370 Brittan Avenue, #18, San Carlos, California 94070-3419, Laura Z. Luo of 3331 Luella, Apt. #4102, Laport, Texas 77571, Daniel M. Horowitz of 435 Washington Street, Apt. #206, Somerville, Massachusetts 02143, Tillman U. Gerngross of 6 Dorrance Place, Hanover, New Hampshire 03755, and Oliver P. Peoples of 27 Radcliffe Road, Arlington, Massachusetts 02174, in consideration of Ten Dollars and other valuable consideration paid to us by Metabolix, Inc., a corporation of the Commonwealth of Massachusetts, having its principal place of business at 303 Third Street, Cambridge, Massachusetts 02142, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Metabolix, Inc., its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "MICROBIAL STRAINS AND PROCESSES FOR THE MANUFACTURE OF BIOMATERIALS" described in U.S. Application Serial No. 09/281,363 filed in the United States Patent and Trademark Office on March 30, 1999, by Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz, Tillman U. Gerngross, and Oliver P. Peoples, which claims priority to U.S. Provisional Application Serial No. 60/079,938 filed in the United States Patent and Trademark Office on March 30, 1998, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

By: Gjalt W. Huisman, ENEX SINGHOK, Daniel M. Horowitz, Laura Z. Luo, Tillman U. Gerngross, and Oliver P. Peoples

Filed: March 30, 1999

ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal th	is 19th day of April , 1999.
	Gjalt W. Huisman
State of California) County of Jan Wakeo)ss.	
Then personally appeared the a the foregoing instrument to be his free APRIL , 199	above named Gjalt W. Huisman and acknowledged act and deed, before me, this day of 9.
KILMA V. DESAI COMM. #1064818 NOTARY PUBLIC - CALIFORNIA SAN MATEO COUNTY	Melle
My Commission expires: 12 12	Notary Public

By: Gjalt W. Huisman, KMKK BOXHOA, Daniel M. Horowitz, Laura Z. Luo, Tillman U. Gerngross, and Oliver P. Peoples

Filed: March 30, 1999 ASSIGNMENT

WITNESS my hand and	seal this _	12 day of May	_, 1999.
		Doluo	
		Laura-Boynton	
		Laura Zhuang Lu	6
State of Pennsylvania)	J	
County of //arrin)ss.		
foregoing instrument to be her f		ove named Laura Boynton and acknowledg	ed the
		June Jummus Notary Public	
	2 1	•	
My Commission expires:	<u> </u>	-7001	

By: Gjalt W. Huisman, RANGENSKIM, Daniel M. Horowitz, Lauro Z. Luo,
Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999

ASSIGNMENT

WITNESS my hand and seal this	164h day of Thre , 1999.
	Daniel M. Horowitz
Commonwealth of Massachusetts) County of Madesey)ss.	
	ve named Daniel M. Horowitz and acknowledged t and deed, before me, this/ day of
My Commission expires:	Notary Public
No	M. MAHONEY Stary Public on Expires July 8, 2005

By: Gjalt W. Huisman, Laura Z. Luo, Daniel M. Horowitz,
Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999

ASSIGNMENT

WITNESS my hand	and seal this 19th day of JULY	, 1999.
	Tillman U. Gerngross	
State of New Hampshire)	
County of GRAFTON)ss.	
acknowledged the foregoing	eared the above named Tillman U. Gerngross and instrument to be his free act and deed, before me, this oly, 1999.	
	Carole C. Prest Notary Public	
My Commission expires: _	CAROLE C. PRATT, Notary Public My Commission Expires March 22, 2000	

By: Gjalt W. Huisman, bance Breaton, Daniel M. Horowitz, Laura Z. Luo,
Tillman U. Gerngross, and Oliver P. Peoples
Filed: March 30, 1999
ASSIGNMENT

. . . .

WITNESS my hand and	d seal this i6 day of JUNE, 1999.
	Oliver P. Peoples
County of Massachuse	,
	his free act and deed, before me, this day of
My Commission expires:	Notary Public JEAN M. MAHONEY Notary Public Notary Public Notary Public